DRIVER EDUCATION

PERFORMANCE OBJECTIVES

SEGMENT 1

MICHIGAN DEPARTMENT OF EDUCATION

EFFECTIVE APRIL 1, 1997

DRIVER EDUCATION

PERFORMANCE OBJECTIVES

April 1, 1997, marks the beginning of a new driver education program of instruction in the state of Michigan. Act # 387, of the Public Acts of 1996, requires implementation of: a) two segments of instruction in Driver Education and b) the Graduated Licensing System. Together, these programs can greatly enhance the preparation of novice drivers.

Instructional programs must start with formally identified expectation of achievement by the learners. These knowledge and skill expectations are the Performance Objectives. The driver education performance objectives were created by a committee of traffic safety educators representing the Public Schools, the Commercial Driving Schools, Universities, and the Department of Education. During the meetings, the majority of educators professed that all students should have uniform instruction consisting of all of the following performance objectives. To merit a driver education certificate, a student must demonstrate achievement of the objectives at a satisfactory level.

These performance objectives were revised in January 1997. The revised objectives were reviewed by safety educators representing the Public Schools, the Commercial Driving Schools, Universities, the Department of State, and the Department of Education.

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Note: For each of the performance objectives in Section II, it is expected that the student will accomplish them in a driver education vehicle.

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UNIT A **VEHICLE FAMILIARIZATION**

EPISODE 1.0 **Driving Compartment**

EPISODE OBJECTIVE: **The student will identify the purpose of information gauges, starting and control devices, safety devices, comfort and convenience devices, and electronic dashboard conversions.**

1.1 The student will identify the purpose of the following information gauges (lights):

- **a) Alternator light (gauge)**
- **b) Brake system warning light**
- **c) Fuel gauge**
- **d) Left and right turn indicator lights**
- **e) Odometer**
- **f) Oil-pressure warning light**
- **g) Safety belt light**
- **h) Speedometer**
- **i) Temperature indicator light (gauge)**
- **j) ABS light (anti-lock brake system)**

1.2 The student will identify the purpose of the following starting and control devices:

- **a) Accelerator**
- **b) Automatic choke**
- **c) Foot brake**
- **d) Gear shift selector**
- **e) Ignition and starter switch**
- **f) Park brake**
- **g) Steering wheel**
- **h) Fuel injection**

1.3 The student will identify the purpose of the following safety devices:

- **a) Door locks**
- **b) Emergency flasher control**
- **c) Head restraints**
- **d) Headlight beam switch and indicator**
- **e) Heater and defroster**
- **f) Horn**
- **g) Light switch**
- **h) Rearview and side view mirrors**
- **i) Safety belt restraint system**
- **j) Child safety seats (proper placement and attachment)**
- **k) Air bags**
- **l) Sun visor**
- **m) Windshield wiper and washer**

SEGMENT 1

UNIT A **VEHICLE FAMILIARIZATION**

EPISODE 1.0 **Driving Compartment**

EPISODE OBJECTIVE: **The student will identify the purpose of information gauges, starting and control devices, safety devices, comfort and convenience devices, and electronic dashboard conversions.**

1.4 The student will identify the purpose of the following comfort and convenience devices:

- **a) Adjustable tilt steering**
- **b) Air conditioning**
- **c) Automatic speed control device**
- **d) Automatic trunk opener switch**
- **e) Electric clock**
- **f) Heating system**
- **g) Power door locks**
- **h) Power Seats**
- **i) Power windows**
- **j) Radio**
- **k) Tape player/CD player**
- **l) Swivel seats**

SEGMENT 1

UNIT A **VEHICLE FAMILIARIZATION**

EPISODE 2.0 **Starting and Stopping Tasks**

EPISODE OBJECTIVE: **The student will identify the various items of pre-entry check procedures for pre-ignition control tasks, starting the engine, putting the vehicle in motion, stopping the vehicle, securing the vehicle and leaving the vehicle.**

2.1 The student will identify the importance of checking various items in a pre-entry check procedure.

- **a) Checks for clean headlights and taillights**
- **b) Checks for clear windshield and windows (especially the rear view)**
- **c) Checks in front of and behind vehicle for objects in intended path of travel**
- **d) Checks tire inflation level using pressure gauge**

2.2 The student will identify the pre-ignition control procedures.

- **a) Checks traffic before entering the car, enters from curb side if possible**
- **b) Places key in ignition**
- **c) Lock all doors**
- **d) Adjusts seats to proper position**
- **e) Adjusts head restraints**
- **f) Adjusts mirrors**
- **g) Fasten safety restraining devices**
- **h) Makes sure park brake is "ON"**

2.3 The student will identify the procedure for starting the engine.

- **a) Uses gad pedal properly**
- **b) Puts foot on brake**
- **c) Makes certain gear selector is in "PARK" or "NEUTRAL"**
- **d) Turns key to "START" position and releases when engine starts**
- **e) Checks information (dashboard) gauges**

2.4 The student will identify in order the procedures for putting the vehicle in motion.

- **a) Pushes brake pedal down firmly with foot**
- **b) Selects proper gear position**
- **c) Releases park brake**
- **d) Checks mirrors**
- **e) Uses proper signal**
- **f) Checks blind spot**
- **g) Releases foot brake**
- **h) Accelerates gradually into proper lane of traffic**

2.5 The student will identify in order the procedure for stopping the vehicle.

- **a) Checks mirrors**
- **b) Positions car appropriately**
- **c) Releases accelerator**
- **d) Brakes to smooth stop**

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UNIT A	**VEHICLE FAMILIARIZATION**
EPISODE 2.0	**Starting and Stopping Tasks**
EPISODE OBJECTIVE:	**The student will identify the various items of pre-entry check procedures for pre-ignition control tasks, starting the engine, putting the vehicle in motion, stopping the vehicle, securing the vehicle and leaving the vehicle.**

2.6 The student will identify in order the procedure for parking and preparing to leave the vehicle.

- **a) Driver determines if "space" is legal and safe**
- **b) Shifts to "PARK" gear**
- **c) Puts park brake "ON"**
- **d) Turns off ignition**
- **e) Removes key**

2.7 The student will identify in order the procedure for leaving the vehicle.

- **a) Checks traffic prior to opening the door**
- **b) Exits using curb side when appropriate**
- **c) Leaves vehicle cautiously and yields to approaching traffic**
- **d) Checks to see that all doors are locked**

SEGMENT 1

UNIT A **VEHICLE FAMILIARIZATION**

EPISODE 3.0 **Driving Fundamentals**

EPISODE OBJECTIVE: **The student will 1) identify the elements of I-P-D-E and the Smith System and explain their importance to defensive driving; 2) describe the proper sequence of steps for left and right turns; 3) describe positioning during turns; 4) identify natural forces in effect when rounding a curve and methods of compensation; 5) explain the effects of gravity when going up and down hills; 6) identify speed control techniques, and 7) identify proper lanes to turn into.**

3.1 a) The student will identify the four components of the I-P-D-E process.

I-P-D-E = Identify, Predict, Decide, Execute

b) The student will identify the five steps involved in the Smith System.

1) **Aim high in steering**
2) **Keep your eyes moving**
3) **Get the big picture**
4) **Make sure others see you**
5) **Leave yourself an out**

c) The student will explain the importance of elements included in processes such as I-P-D-E and the Smith System.

3.2 The student will identify the proper sequence of steps for:

a) Right turns

1) **Check mirrors**
2) **Positions car properly in lane**
3) **Signals right**
4) **Reduces speed and keeps wheel straight**
5) **Checks traffic thoroughly and yields to traffic and pedestrians**
6) **Uses hand-over-hand steering when going into turn**
7) **Turns into proper lane**
8) **Straightens the wheels by using hand-over-hand, or another method which maintains secure control of steering**
9) **Adjusts speed to traffic flow**

b) Left turns

1) **Check mirrors**
2) **Positions car properly in lane**
3) **Signals left**
4) **Reduces speed and keeps wheels straight**
5) **Checks traffic thoroughly, yielding to other traffic and pedestrians**
6) **Uses hand-over-hand steering when going into turn**
7) **Turns into proper lane**
8) **Straightens the wheels by using hand-over-hand, or another method which maintains secure control of steering**
9) **Adjusts speed to traffic flow**

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UNIT A **VEHICLE FAMILIARIZATION**

EPISODE 3.0 **Driving Fundamentals**

EPISODE OBJECTIVE: **The student will 1) identify the elements of I-P-D-E and the Smith System and explain their importance to defensive driving; 2) describe the proper sequence of steps for left and right turns; 3) describe positioning during turns; 4) identify natural forces in effect when rounding a curve and methods of compensation; 5) explain the effects of gravity when going up and down hills; 6) identify speed control techniques, and 7) identify proper lanes to turn into.**

3.3 The student will identify the lane/vehicle positioning when making turns on combinations of one and two-way multiple lane streets.

- **a) Right turns**
- **b) Left turns**

3.4 The student will:

- **a) Identify natural forces affecting the vehicle when rounding a curve**
  - **1) Gravity**
  - **2) Center of gravity**
  - **3) Friction**
  - **4) Centrifugal force**
- **b) Indicate methods of compensating for the effects of natural forces**

3.5 The student will explain the effects of gravity on a vehicle going:

- **a) Up a hill**
- **b) Down a hill**

3.6 The student will identify techniques for becoming aware and maintaining proper speed limits and controlled speeds in the following traffic and roadway environments:

- **a) Residential**
- **b) Business**
- **c) Freeway**
- **d) Construction zone**
- **e) Emergency scene**

SEGMENT 1

UNIT A **VEHICLE FAMILIARIZATION**

EPISODE 4.0 **Traffic Controls**

EPISODE OBJECTIVE: **The student will identify the purpose for and the correct driver actions associated with traffic signs, traffic signals, pavement markings, and traffic control persons.**

4.1 The student will associate specific traffic sign shapes with their:

- **a) Purposes**
- **b) Correct driver actions**
- **c) Colors**

4.2 The student will associate specific traffic signals with their:

- **a) Purposes**
- **b) Correct driver actions**
- **c) Colors**

4.3 The student will associate specific pavement markings with their:

- **a) Purposes**
- **b) Correct driver actions**
- **c) Colors (white and yellow)**

4.4 The student will identify the correct driver action when encountering a traffic control person, such as the following:

- **a) Adult crossing guard**
- **b) Construction flag person**
- **c) Police officer**
- **d) Railroad flag person**
- **e) Safety patrol person**

SEGMENT 1

UNIT B **BASIC CONTROL TASKS**

EPISODE 1.0 **Intersections**

EPISODE OBJECTIVE: **The student will identify proper procedures for negotiating intersections and freeways.**

1.1 The student will identify the proper vehicle movement at various intersections (involving one-way and two-way streets), such as in the list below:

- **a) Controlled**
  - **1) Signalized**
  - **2) Stop sign(s)**
  - **3) Yield sign(s)**
  - **4) Pavement markings**
  - **5) Railroad crossings**
  - **6) Right turn on red**
  - **7) Left turn on red**
- **b) Uncontrolled**
  - **1) Open intersections**
  - **2) Railroad crossings**

1.2 Given example(s) of intersection situation(s) containing potential conflicts, the student will:

- **a) Identify the potential conflict**
- **b) Suggest methods for reducing the risks**

1.3 The student will explain the proper procedure for:

- **a) Entering a freeway**
  - **1) Enters acceleration lane merging**
  - **2) Uses correct signal**
  - **3) Checks traffic thoroughly**
  - **4) Checks blind spot**
  - **5) Adjusts speed to coincide closely with traffic flow**
  - **6) Merges into nearest lane**
  - **7) Adjusts position and speed to flow of traffic**
  - **8) Checks to see that the directional signal is canceled**
- **b) Exiting a freeway**
  - **1) Positions car in appropriate lane**
  - **2) Uses correct signal**
  - **3) Checks traffic thoroughly**
  - **4) Checks blind spot**
  - **5) Enters deceleration lane**
  - **6) Adjusts to posted speed exit**

1.4 Given examples of types of freeway interchanges, such as listed below, the student will identify:

- **a) The proper path of travel**
- **b) Associated potential conflicts of each**
  - **1) Cloverleaf**
  - **2) Diamond**
  - **3) Partial Cloverleaf**
  - **4) Weave lane – merging & exiting**

SEGMENT 1

UNIT B **BASIC CONTROL TASKS**

EPISODE 2.0 **Following**

EPISODE OBJECTIVE: **The student will 1) define a minimal following distance; 2) describe methods of establishing following distances for various traffic situations; 3) examine and list the effects of speed, directional control and positioning on the space cushion; 4) describe factors necessary to maintain a space cushion; 5) describe driver blind spots; 6) describe techniques to minimize the hazard of being in another driver's blind spot; 7) explain the effects of kinetic energy on stopping distance; and 8) examine and list the factors affecting total stopping distance.**

2.1 The student will define "a minimal following distance."

2.2 The student will describe methods of establishing minimal following distance of 2,3, or 4-seconds for various traffic situations.

2.3 The student will examine and list the effects of speed, directional control and positioning on the space cushion for various traffic situations, including the traffic mix with large trucks and buses.

2.4 The student will identify driver blind spot(s) for various traffic situations.

2.5 The student will identify techniques to minimize the hazard of being in another vehicle's blind spot, including tractor-trailers, for various traffic situations.

2.6 The student will explain the effects of kinetic energy on stopping distance for various situations in which vehicles are traveling at different speeds.

2.7 The student will examine and list all the factors affecting total stopping distances, such as the following:

- **a) Perception time**
- **b) Reaction time**
- **c) Braking time**
- **d) Speed**
- **e) Roadway conditions**
- **f) Vehicle conditions**
- **g) Driver conditions**

2.8 The student will analyze stopping distances associated with various speeds and vehicle size (i.e., big trucks, cars, and motorcycles).

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UNIT B **BASIC CONTROL TASKS**

EPISODE 3.0 **Being followed**

EPISODE OBJECTIVE: **The student will identify characteristics of a space cushion to the rear and state methods for reducing rear-end collisions.**

3.1 **The student will identify characteristics of a proper space cushion to the rear for various situations, taking into account greater stopping distance required by heavy vehicles.**

3.2 **The student will indicate methods of compensating for factors which might cause rear-end collisions.**

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UNIT B **BASIC CONTROL TASKS**

EPISODE 4.0 **Lane Changing**

EPISODE OBJECTIVE: **The student will explain the proper procedure for lane changing and identify situations necessitating a lane change.**

4.1 The student will identify conditions, which would warrant a change of lanes for various traffic situations.

4.2 The student will identify, in order, the procedure for lane changing.

- **a) Check mirrors**
- **b) Uses correct lane-change signal**
- **c) Checks blind spot**
- **d) Moves into proper lane blending in with traffic**
- **e) Adjusts position and speed and cancels lane-change signal**

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UNIT B	**BASIC CONTROL TASKS**
EPISODE 5.0	**Backing the Vehicle**
EPISODE OBJECTIVE:	**The student will identify vehicle handling characteristics and driver procedures for backing an automobile.**

5.1 The student will identify body, hand, and head (sight) positions when backing an automobile, which provides best viewing capability.

- **a) Straight backing**
- **b) Curved backing**

5.2 The student will explain vehicle-handling characteristics when backing the car.

- **a) Anticipated movement of the front of the vehicle**
- **b) Direction to turn the steering wheel**
- **c) Speed control**

SEGMENT 1

UNIT B **BASIC CONTROL TASKS**

EPISODE 6.0 **Overtaking and Passing**

EPISODE OBJECTIVE: **The student will 1) compare/contrast overtaking/passing and lane changing; 2) explain the proper overtaking/passing procedure; 3) describe situations in which passing is prohibited or permitted.**

6.1 The student will identify the similarities and differences between lane changing and overtaking/passing.

6.2 The student will explain the procedure for overtaking/passing another vehicle, including time and distance involved in passing truck trailer combination vehicles.

- **a) Checks and estimates passing distance ahead**
- **b) Checks traffic thoroughly**
- **d) Uses proper signal**
- **e) Accelerates while moving into proper lane**
- **f) After passing other vehicle, checks rear-view mirror for vehicle**
- **g) Returns to proper lane when vehicle being passed can be seen in rear-view mirror (signals, checks blind spot, and move into proper lane)**
- **h) Adjust position and speed to flow of traffic**
- **i) Checks to see that lane-change signal is canceled**

6.3 The student will identify conditions when overtaking/passing on the left is:

- **a) Legally permitted**
- **b) Legally prohibited**

6.4 The student will identify conditions when overtaking/passing on the right is:

- **a) Legally permitted**
- **b) Legally prohibited**

6.5 The student will identify conditions when overtaking/passing a school bus is:

- **a) Legally permitted**
- **b) Legally prohibited**

6.6 The student will identify hazardous conditions when overtaking/passing large trucks.

SEGMENT 1

UNIT B	**BASIC CONTROL TASKS**
EPISODE 7.0	**Being Overtaken and Passed**
EPISODE OBJECTIVE	**The student will identify possible hazards and corresponding solutions when being over taken/passed.**

7.1 The student will identify possible hazards of being overtaken/passed for various traffic situations.

7.2 Given situations depicting hazards when being overtaken/passed, the student will identify procedures for minimizing the conflicts.

7.3 The student will identify the effects associated with being overtaken/passed by vehicles of different sizes.

SEGEMENT 1

UNIT B **BASIC CONTROL TASKS**

EPISODE 8.0 **Other Highway Users**

EPISODE OBJECTIVE: **The student will identify 1) the elements in the traffic mix; 2) the state laws pertaining to motorcycle drivers, bicycle drivers, emergency and special vehicle drivers, and pedestrians; 3) driver responsibilities at railroad crossings; and 4) the methods of communicating with other highway users.**

8.1 The student will describe/list the three elements in the traffic mix:

- **a) Operators, passenger, and pedestrians**
- **b) Vehicles: cars, trucks, motorcycles, bicycles, school buses, emergency and special vehicles**
- **c) Roadways**

8.2 The student will describe/list Michigan laws affecting motorcycle drivers in the vehicle mix.

8.3 The student will describe/list Michigan laws affecting bicycle drivers in the vehicle mix.

8.4 The student will describe/list Michigan laws relating to emergency and special vehicles, including:

- **a) Police vehicles**
- **b) Ambulances**
- **c) Fire trucks**
- **d) School buses (i.e., stop law)**
- **e) Wreckers**
- **f) Wide vehicles**
- **g) Funeral processions**

8.5 The student will describe/list Michigan laws relating to the responsibility and right-of-way of pedestrians, including BLIND pedestrians (i.e., the white cane law).

8.6 The student will describe/list Michigan laws relating to driver responsibilities at railroad crossings which have the following traffic controls:

- **a) Flashing signals**
- **b) Crossing gates**
- **c) Signed crossings**
- **d) Uncontrolled crossings**

8.7 The student will describe/list methods of communicating with other highway users in various traffic situations:

- **a) Emergency warning flashers**
- **b) Flashing brake lights**
- **c) Hand signals**
- **d) Headlights**
- **e) Horn**
- **f) Lane position**
- **g) Combination of techniques**

SEGMENT 1

UNIT C	**DRIVER FITNESS TASKS**
EPISODE 1.0	**Visual Discipline**
EPISODE OBJECTIVE	**The student will identify 1) the relationship of visual characteristics to the driving task; 2) the method for compensating for the visual deficiencies; and 3) the importance of various visual requirements for driving.**

1.1 The student will identify the relationship of visual characteristics to the driving task.

- **a) Visual acuity**
- **b) Depth perception**
- **c) Field of vision**
- **d) Night vision (glare recovery)**
- **e) Color vision**

1.2 The student will identify methods of compensation needed for driving with various visual impairments.

1.3 The student will explain how potential traffic hazards can be avoided through visual search techniques, considering the following:

- **a) I-P-D-E system**
- **b) Smith system**
- **c) 2, 3, 4-seconds following distance**
- **d) Viewing 12-seconds ahead**

SEGMENT 1

UNIT C **DRIVER FITNESS TASKS**

EPISODE 2.0 **Physical Fitness**

EPISODE OBJECTIVE: **The student will identify the importance of good physical fitness as it relates to the driving task, and methods of compensating for physical problems.**

2.1 The student will explain the importance of various physical factors affecting driving.

- **a) Fatigue**
- **b) Attention or mental alertness**
- **c) Stress (short or long term)**
- **d) Hearing**
- **e) Coordination**
- **f) Illness (temporary or chronic)**
- **g) Age associated conditions**
- **h) Other impairments**

2.2 The student will identify methods of compensation needed for driving with various physical deficiencies.

SEGEMENT 1

UNIT C **DRIVER FITNESS TASKS**

EPISODE 3.0 **Distractions**

EPISODE OBJECETIVES: **The student will identify methods of minimizing the effects of common distractions on driver control.**

3.1 The student will identify methods for minimizing the effect of common distractions occurring <u>inside</u> the vehicle on driver control, such as:

- **a) Radio, tape player, CD player**
- **b) Passenger conversations, and**
- **c) Other non-driving actions**

3.2 The student will identify methods of minimizing the effect of common distractions occurring <u>outside</u> the vehicle on driver control, such as:

- **a) Crash scene**
- **b) Construction zone**
- **c) Crowds of people, and**
- **d) Identification of unusual sounds**

SEGEMENT 1

UNIT C **DRIVER FITNESS TASKS**

EPISODE 4.0 **Substance Abuse**

EPISODE OBJECTIVE: **The student will identify physical, psychological, sociological, and legal aspects of the use of alcohol and drugs as related to the driving task.**

4.1 The student will be able to identify that drivers under 20 years of age represent the following:
- **a) Represent 6.4% of licensed drivers**
- **b) Have 11.5% of all crashes**
- **c) Have 13.7% of all injury crashes**
- **d) Have 10.1% of all fatal crashes**
- **e) Have 10% of all HBD fatal crashes**

4.2 The student will identify the effects on the IPDE system by the use of alcohol and other drugs regarding:
- **a) Lack of mental alertness**
- **b) Reduced motor skill abilities**
- **c) Reduced ability to make correct decisions**

4.3 The student will identify the physical and mental effects of alcohol and other drugs regarding:
- **a) Overconfidence**
- **b) Decreased ability to make wise judgments**
- **c) Risk-taking behaviors**

4.4 The student will describe the Michigan implied consent law.

4.5 The student will explain Michigan's zero tolerance law for drivers under 21 years of age.

4.6 The student will define Bodily Alcohol Content/Blood Alcohol Concentration (BAC).

4.7 The student will identify the tests to measure BAC.

4.8 The student will describe the characteristic by which the following tests can measure the BAC:
- **a) Breath**
- **b) Blood**
- **c) Urine**
- **d) Saliva**

4.9 The student will identify the legal definition for:
- **a) Driving While Impaired (DWI)**
- **b) Driving Under the Influence (OUIL)**

4.10 The student will describe the difference between the following:
- **a) Non-prescription drugs**
- **b) Prescription drugs**
- **c) Controlled substances (legal and illegal)**
- **d) Street drugs**

4.11 The student will identify the anticipated effects on the human body by use of the following classifications of drugs:
- **a) Depressants (downers)**
- **b) Stimulants (uppers0**
- **c) Hallucinogens**
- **d) Inhalants**

SEGEMENT 1

UNIT D **INTERMEDIATE AND ADVANCED CONTROL TASKS**

EPISODE 1.0 **Driving Environments**

EPISODE OBJECTIVE **The student will identify 1) the effects of natural laws; 2) the presence of potential hazard; and 3) the methods to avoid involvement.**

1.1 For traffic situations in which the driver is in violation of a state law, the student will identify:

- **a) The error(s)**
- **b) The applicable law(s)**

1.2 The student will describe the meaning and identify the effects of:

- **a) Friction and traction on various roadway characteristics**
  - **1) Dry, wet or icy surfaces**
  - **2) Gravel or paved surfaces**
  - **3) Straight or curved roadways**
  - **4) Up or downhill roadways**
- **b) Stopping distance and the force of impact**
  - **1) Kinetic energy**
  - **2) Inertia**
  - **3) Momentum**
  - **4) Speed**
  - **5) Weight**
- **d) Centripetal and centrifugal forces**
  - **1) Inertia**
  - **2) Speed**
  - **3) Weight**

1.3 The student will identify the hazard(s) and explain technique(s) for avoiding involvement, for each of the following:

- **a) Following too closely**
- **b) Children near roadway**
- **c) Bicyclists**
- **d) Pedestrians**
- **e) Intersections**
- **f) White cane by blind persons**
- **g) Railroad crossings**

1.4 The student will identify ways in which highway driving differs from city driving.

1.5 The student will identify specific characteristics of freeway driving.

1.6 The student will identify characteristics of various engineering features found on freeways considered as:

- **a) Safety features**
- **b) Potentially hazardous features**

SEGEMENT 1

UNIT D	**INTERMEDIATE AND ADVANCED CONTROL TASKS**
EPISODE 2.0	**Adverse Conditions**
EPISODE OBJECTIVE	**The student will identify 1) the effects of weather, road, traffic and driver visual conditions on driving; 2) suitable means of compensation; 3) hazards associated with night driving.**

2.1 The student will identify methods of compensating for various hazardous situations associated with night driving based on problems such as those given below:

- **a) Distortion of speed and distance judgment, and**
- **b) Headlight glare**

2.2 The student will explain how various weather conditions are likely to make driving hazardous.

- **a) Bright sunlight**
- **b) Fog**
- **c) Ice**
- **d) Rain**
- **e) Snow**
- **f) Wind**
- **g) Combination of conditions**

2.3 The student will identify necessary precautions to take for various adverse weather conditions.

- **a) Bright sunlight**
- **b) Fog**
- **c) Ice**
- **d) Rain**
- **e) Snow**
- **f) Wind**
- **g) Combination of conditions**

2.4 The student will identify methods of compensating for various factors, which might reduce tire-gripping efficiency on the roadway.

- **a) Asphalt**
- **b) Concrete**
- **c) Ice and snow**
- **d) Leaves**
- **e) Loose gravel or sand**
- **f) Rain**
- **g) Combination of conditions**

2.5 The student will identify factors that could reduce the availability of friction for controlling vehicle.

- **a) Hydroplaning**
- **b) Inadequate brakes**
- **c) Increased/excessive speed**
- **d) Locked wheels**
- **e) Tire design**
- **f) Worn tires**

SEGEMENT 1

UNIT D **INTERMEDIATE AND ADVANCED CONTROL TASKS**

EPISODE 3.0 **Vehicle Malfunctions**

EPISODE OBJECTIVE: **The student will identify vehicle malfunctions and indicate the proper action for minimizing the hazard.**

3.1 Given a series of situations in which vehicle warning lights or gauges have indicated a vehicle malfunction(s), the student will:

- **a) Identify the probable malfunction(s)**
- **b) Suggest appropriate driver actions, such as**
  - **1) Alternator light (gauge)**
  - **2) Brake light**
  - **3) Oil pressure light (gauge)**
  - **4) Temperature light (gauge)**
  - **5) ABS light (anti-lick brake system)**
  - **6) Air bag**
  - **7) Other warning lights or gauges**

3.2 The student will identify the potentially hazardous effects on vehicle control for various vehicle malfunctions.

- **a) Accelerator sticking**
- **b) Brake failure**
- **c) Engine stall**
- **d) Headlight failure**
- **e) Loss of steering**
- **f) Tire failure**

3.3 The student will explain corrective steps to take to maintain vehicle control for various vehicle malfunctions.

- **a) Accelerator sticking**
- **b) Brake failure**
- **c) Engine stall**
- **d) Headlight failure**
- **e) Loss of steering**
- **f) Tire failure**

3.4 The student will identify:

- **a) The effects of carbon monoxide on vehicle occupants**
- **b) The conditions that increase the likelihood of carbon monoxide poisoning**

3.5 The student will identify precautionary measures for minimizing the presence of carbon monoxide inside the vehicle.

SEGEMENT 1

UNIT E	**LEGAL AWARENESS TASKS**
EPISODE 1.0	**System Management**
EPISODE OBJECTIVE	**The student will identify 1) the purpose of traffic laws; 2) the process by which they are formulated; 3) the functions of a traffic court; 4) the procedure for applying for an operator's license; and, 5) reasons for the revocation or suspension of an operator's license.**

1.1 The student will explain the purpose of traffic laws and the procedure by which traffic laws are created.

1.2 The student will identify the role of law enforcement agencies.

1.3 The student will explain the functions of a traffic court.

1.4 The student will describe the procedures in applying for a:

- **a) Graduated Driver License**
- **b) Restricted License**
- **c) Moped License**
- **d) Motorcycle endorsement**
- **e) Operator's license at 18 years of age (including the Temporary Instruction Permit)**

1.5 The student will identify the various social responsibilities of a licensed driver and their importance to the success of the HTS system, regarding:

- **a) The driving task**
- **b) The purpose of the HTS system**
- **c) System success or breakdown**

1.6 The student will identify reasons for suspension or revocation of an operator's license, according to information in the <u>Michigan Vehicle Code</u>, for the following:

- **a) Unpaid parking tickets**
- **b) Accumulation of points for conviction of moving violations**
- **c) Violation of zero tolerance**
- **d) OUIL conviction**

SEGEMENT 1

UNIT F **THE VEHICLE**

EPISODE 1.0 **Car Care**

EPISODE OBJECTIVE: **The student will define periodic maintenance and identify 1) items to be periodically checked; 2) visual checks of the gauges/lights for assessment; and 3) potential warning signs that indicate problems.**

1.1 The student will correctly:

- **a) Define periodic maintenance, and**
- **b) Explain the importance of periodic maintenance**

1.2 The student will explain the importance of checking various items and identify their location during a periodic vehicle inspection, such as those given below:

- **a) Brakes**
- **b) Cooling system (including coolant level and hoses)**
- **c) Electrical system (including lights)**
- **d) Exhaust system**
- **e) Engine lubricant system (including the dipstick and fill location)**
- **f) Steering (including the power unit)**
- **g) Tires, and**
- **h) Windshield wipers and washers (including fluid level and location)**

1.3 The student will identify potential "warning signs" for various items likely to malfunction such as those given below:

- **a) Leaks or spills**
- **b) Backfire**
- **c) Blue smoke-black smoke**
- **d) Grating sound when brakes are applied**
- **e) Smell of exhaust**
- **f) Tires worn on one side, middle, or in spots, and**
- **g) Streaking wiper blades**

1.4 The student will identify reasons why good tire care is important.

1.5 The student will identify requirements of the Michigan vehicle inspection according to information in the <u>Michigan Vehicle Code</u>.

SEGEMENT 1

UNIT G **STUDENT DRIVING PERFORMANCE**

EPISODE 1.0 **Vehicle Familiarization**

EPISODE OBJECTIVE: **The student will identify 1) information gauges; 2) starting and control devices; 3) safety devices; and 4) comfort and convenience devices. The student will perform 1) pre-entry procedure; 2) pre-ignition control tasks; 3) starting; 4) stopping; 5) securing; and 6) leaving the vehicle.**

1.1 The student will identify the location and describe the following:

a) Information gauges/lights

1) Alternator light (gauge)
2) Brake system warning light
3) Fuel gauge
4) Left and right indicator lights
5) Odometer
6) Oil-pressure warning light
7) Safety belt light
8) Speedometer
9) Temperature indicator
10) Electronic digital display
11) ABS light (anti-lock brake system)

b) Starting and control devices

1) Accelerator
2) Automatic choke/fuel injection
3) Foot brake
4) Gear shift selector
5) Ignition and starter switch
6) Park brake
7) Steering wheel

c) Safety devices

1) Door locks
2) Emergency flasher
3) Head restraints
4) Headlight beam switch and indicator
5) Heater and defroster
6) Horn
7) Light switch
8) Rearview and side view mirrors
9) Safety belt restraint system
10) Air bags
11) Sun visor, and
12) Windshield wiper and washer

SEGEMENT 1

UNIT G	**STUDENT DRIVING PERFORMANCE**
EPISODE 1.0	**Vehicle Familiarization**
EPISODE OBJECTIVE:	**The student will identify 1) information gauges; 2) starting and control devices; 3) safety devices; and 4) comfort and convenience devices. The student will perform 1) pre-entry procedure; 2) pre-ignition control tasks; 3) starting; 4) stopping; 5) securing; and 6) leaving the vehicle.**

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d) Comfort and convenience devices

1) **Adjustable tilt steering**
2) **Air conditioning**
3) **Automatic speed control device**
4) **Automatic trunk opener switch**
5) **Clock**
6) **Heating/air conditioning system**
7) **Power door locks**
8) **Power seats**
9) **Power windows**
10) **Radio, Tape player, CD player**
11) **Swivel seats, and**
12) **Automatic fuel tank cover release**

1.2 The student will perform pre-entry procedures of:

a) **Cleans headlights and tail lights (if needed0**
b) **Cleans windshield and windows (if needed)**
c) **Visually checks tire tread depth and checks inflation using pressure gauge**
d) **Inside hood release**
e) **Removes any objects from the intended path of travel**
-OR-
Adjusts intended path of travel

1.3 The student will perform pre-ignition control tasks prior to moving the vehicle, as follows:

a) **Enters the vehicle (checks for traffic as the situation requires)**
b) **Places key in ignition**
c) **Locks all doors**
d) **Adjusts seat to suitable position**
e) **Adjusts head restraint**
f) **Adjusts mirrors**
g) **Fastens safety restraining devices**
h) **Makes sure park brake is "ON"**

1.4 The student will perform the task of starting the engine, as follows:

a) **Makes sure gear selector is in "PARK" or "NEUTRAL"**
b) **Turns key to the "ON" position to check information lights/gauges, and**
c) **Turns key to engage starter and releases when engine starts**

SEGEMENT 1

UNIT G **STUDENT DRIVING PERFORMANCE**

EPISODE 1.0 **Vehicle Familiarization**

EPISODE OBJECTIVE: **The student will identify 1) information gauges; 2) starting and control devices; 3) safety devices; and 4) comfort and convenience devices. The student will perform 1) pre-entry procedure; 2) pre-ignition control tasks; 3) starting; 4) stopping; 5) securing; and 6) leaving the vehicle.**

1.5 The student will put the car in motion in an area with limited traffic volume.

- **a) Depresses foot brake firmly**
- **b) Selects proper gear**
- **c) Releases park brake**
- **d) Checks mirrors**
- **e) Uses proper signal**
- **f) Checks blind spot**
- **g) Releases foot brake**
- **h) Gradually accelerates into proper lane of traffic**

1.6 The student will steer the vehicle in a straight path in an area with limited traffic volume.

- **a) Grasps steering wheel placing both hands on upper half of steering wheel**
- **b) Maintains correct lane position and proper speed**
- **c) Keeps eyes focused well ahead and moving continuously to anticipate steering corrections**

1.7 The student will perform the procedure for stopping the vehicle at a selected location in an area of limited traffic volume.

- **a) Checks traffic, especially rear**
- **b) Signals lane exit**
- **c) Releases accelerator**
- **d) Smoothly brakes to a stop**
- **e) Positions car in a safe, legal place**

1.8 The student will demonstrate securing the stopped vehicle.

- **a) Shifts to "PARK" gear**
- **b) Sets park brake "ON"**
- **c) Locks the ignition**
- **d) Removes key**

1.9 The student will demonstrate the procedure for leaving the vehicle.

- **a) Checks traffic prior to opening the door**
- **b) Exits from curb side when appropriate**
- **c) Leaves car cautiously and yields to approaching traffic**
- **d) Checks to see that all doors are locked**

SEGMENT 1

UNIT G **STUDENT DRIVING PERFORMANCE**

EPISODE 2.0 **Basic Control Tasks**

EPISODE OBJECTIVE: **The student will correctly demonstrate the procedure for left and right turns and backing the vehicle in a straight backward path.**

2.1 The student will demonstrate the procedure for performing left and right turns.

a) LEFT TURN

1) Checks mirrors
2) Positions car properly in lane
3) Signals left
4) Reduces speed and keeps wheels straight
5) Checks traffic thoroughly, yielding to pedestrians and oncoming traffic
6) Starts turn just before front wheels reach the middle of intersection
7) Uses proper steering when going into turn
8) Turns into proper lane
9) Straightens the wheels by using hand-over-hand, or another method which maintains secure control of steering
10) Adjusts speed to traffic flow

b) RIGHT TURN

1) Checks mirrors
2) Positions car properly in lane
3) Signals right
4) Reduces speed and keeps wheels straight
5) Checks traffic thoroughly, yielding to pedestrians
6) Starts turn when front wheels are opposite point where curb begins to curve
7) Uses proper steering when going into turn
8) Turns into proper lane
9) Straightens the wheels by using hand-over-hand, or another method which maintains secure control of steering
10) Adjusts speed to traffic flow

2.2 The student will steer the car in a straight backward path in an off-street area of restricted traffic.

a) Change body position so as to be able to look out rear window
b) Places left hand on steering wheel at 12 o'clock position, right hand located where comfortable
c) Looks over right shoulder and out rear window
d) Backs slowly in a straight path
e) Periodically checks traffic to the front of the vehicle

SEGEMENT 1

UNIT G **STUDENT DRIVING PERFOMANCE**

EPISODE 3.0 **Intermediate Control Tasks**

EPISODE OBJECTIVE: **The student will correctly demonstrate the procedure for lane changing, passing, turns involving combinations of one and two-way streets, a variety of backing maneuvers, and a variety of parking maneuvers, using the I-P-D-E concept.**

3.1 The student will demonstrate the proper procedure for lane changing.

- **a) Checks mirrors**
- **b) Uses correct signal**
- **c) Checks blind spot**
- **d) Moves into proper lane, blending with traffic**
- **e) Adjusts position and speed**
- **f) Checks to see that directional signal is canceled**

3.2 The student will demonstrate proper passing procedure.

- **a) Checks passing distance ahead**
- **b) Checks traffic thoroughly**
- **c) Uses proper signal**
- **d) Checks blind spot**
- **e) Accelerates while moving into proper lane**
- **f) After moving past car being passed, checks rearview mirror for car**
- **g) Returns to proper lane when vehicle being passed can be seen in the rearview mirror (signals, checks blind spot and moves into proper lane)**
- **h) Adjusts position and speed**
- **i) Checks to see that directional signal is canceled**

3.3 The student will demonstrate the turning procedures for turning from a:

a) Two-way street to a one-way street

The student demonstrates awareness that turns on red light are permitted, after complying with the signal requirements and the intended path of travel is clear of vehicles and pedestrians.

1) **Checks traffic thoroughly**
2) **Positions car appropriately**
3) **Uses correct signal**
4) **Reduces speed**
5) **Checks mirrors**
6) **Yields to vehicles and pedestrians**
7) **Turns into proper lane**
8) **Straightens wheels by using hand-over-hand, or another method which maintains secure control of steering**
9) **Adjusts speed to traffic flow**

SEGEMENT 1

UNIT G **STUDENT DRIVING PERFOMANCE**

EPISODE 3.0 **Intermediate Control Tasks**

EPISODE OBJECTIVE: **The student will correctly demonstrate the procedure for lane changing, passing, turns involving combinations of one and two-way streets, a variety of backing maneuvers, and a variety of parking maneuvers, using the I-P-D-E concept.**

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b) One-way street to a two-way street.

1) Checks traffic thoroughly
2) Positions car appropriately
3) Uses correct signal
4) Reduces speed
5) Checks mirrors
6) Yields to vehicles and pedestrians
7) Turns into proper lane
8) Straightens the wheels by using hand-over-hand, or another method which maintains secure control of steering
9) Adjusts speed to traffic flow

c) One-way street to a one-way street.

The student demonstrates awareness that turns on red lights are permitted, after complying with the signal requirements and the intended path of travel is clear of vehicles and pedestrians.

1) Checks traffic thoroughly
2) Positions car appropriately
3) Uses correct signal
4) Reduces speed
5) Checks mirrors
6) Yields to vehicles and pedestrians
7) Turns into proper lane
8) Straightens wheels by using hand-over-hand, or another method which maintains secure control of steering
9) Adjusts speed to flow of traffic

3.4 The student will back the vehicle into a variety of positions in an area of limited traffic volume.

a) Backs the vehicle into a driveway on the right side of the street

1) Checks traffic thoroughly as approaches driveway
2) Stops vehicle after clearing driveway
3) Keeping foot on brake, shifts into reverse
4) Checks traffic thoroughly, including blind spot
5) Creeps back, turning hard right when rear bumper is even with the beginning of driveway and gradually corrects turn
6) Stops when front of vehicle is in driveway, clearing street

b) Turns vehicle into and then backs out of driveway

1) Thoroughly checks traffic as approaches driveway
2) Uses correct signal
3) Turns into driveway
4) Stops when rear of vehicle is at least one car 1enth from end of driveway
5) Shifts to reverse

6) Creeps back, stopping to check traffic before sidewalk (if applicable) and before entering street
7) Checks traffic thoroughly and yields to other vehicles
8) Backs into appropriate lane and gradually straightens wheels
9) Moves forward after checking traffic

c) Negotiates a "U" turn

1) Checks traffic thoroughly
2) Positions vehicle as close to right hand edge of roadway as possible
3) Signals for a left turn
4) With vehicle in motion, turns steering wheel sharply left
5) Maintains slow steady speed
6) When turn has been completed, returns steering wheel to proper position

d) Negotiates "Y" or 3-point turn

1) Moves car to far right and stops
2) Checks traffic thoroughly
3) Signals for a left turn
4) Turns hard left while moving forward slowly
5) Stops prior to front tire hitting curb
6) Shifts to reverse
7) Turns hard right and backs slowly, stopping prior to rear tire hitting curb
8) Shifts to drive
9) Turns wheels left and moves forward slowly, centering vehicle in lane

3.5 The student will demonstrate the proper procedure for parking in the situations given below.

a) Parallel parking

1) Entering
a) Positions car appropriately in lane and signals
b) Reduces speed and checks mirrors
c) Stops car parallel to other vehicle about 2 feet away and back bumpers are even
d) Checks traffic
e) Shifts to reverse
f) Moves back turning wheels sharply toward curb until car is at 45-degree angle
g) Turns wheels slowly away from curb to straighten them
h) When front bumper is even with rear bumper of parked car ahead, turns wheels sharply away from the curb

SEGEMENT 1

UNIT G **STUDENT DRIVING PERFOMANCE**

EPISODE 3.0 **Intermediate Control Tasks**

EPISODE OBJECTIVE: **The student will correctly demonstrate the procedure for lane changing, passing, turns involving combinations of one and two-way streets, a variety of backing maneuvers, and a variety of parking maneuvers, using the I-P-D-E concept.**

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i) Stops before touching car behind and is parallel with curb (within 12 inches of curb)
j) Moves forward slowly, straightens wheels, and positions car
k) Secures vehicle (G-1.8)

2) Leaving
a) Prepares vehicle for leaving (G-1.3, 1.4, 1.5)
b) Moves back slowly and stops before striking vehicle behind
c) Checks traffic
d) Checks blind spot
e) Uses correct signal
f) Moves forward slowly, steers sharply away from curb
g) Enters proper lane and adjusts speed to flow of traffic

b) Angle parking

1) Entering
a) Positions car appropriately in lane
b) Checks traffic
c) Uses correct signal
d) Reduces speed
e) Positions vehicle close to the center line of roadway
f) Turns front wheels sharply toward parking area when the front bumper of vehicle is in the center of parking space
g) Straightens wheels to center vehicle
h) Stops when front wheels barely touch curb
i) Secures vehicle (G-1.8)

2) Leaving
a) Prepares vehicle for leaving (G-1.3, 1.4, 1.5); shifts to reverse
b) Moves back slowly until able to see traffic
c) Stops and checks traffic in all directions
d) When clear, continues backing, turning wheels sharply toward curb
e) Backs into proper lane and gradually straightens wheels
f) Positions car to move forward

c) Perpendicular parking

1) Entering
a) Positions car appropriately
b) Uses correct signal
c) Reduces speed
d) Checks traffic

SEGEMENT 1

UNIT G **STUDENT DRIVING PERFOMANCE**

EPISODE 3.0 **Intermediate Control Tasks**

EPISODE OBJECTIVE: **The student will correctly demonstrate the procedure for lane changing, passing, turns involving combinations of one and two-way streets, a variety of backing maneuvers, and a variety of parking maneuvers, using the I-P-D-E concept.**

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e) When front bumper is even with first extended parking line, begins turning toward curb

-OR-

Drives past parking space so rear of vehicle is past second extended parking line, backs up slowly, turning wheels sharply until able to drive straight forward into parking space

f) Stops when front wheels touch curb

g) Secures vehicle (G-1.8)

2) Leaving

a) Prepares vehicle for leaving (G-1.3, 1.4, 1.5)

b) Moves back slowly until able to see traffic

c) Checks traffic thoroughly

d) When clear, continues backing, turning wheels sharply when front bumper is beyond end of parking space

e) Backs into proper lane after again checking traffic

f) Positions car

SEGMENT 1

UNIT G **STUDENT DRIVING PERFORMANCE**

EPISODE 4.0 **Signs, Signals, and Markings**

EPISODE OBJECTIVE: **The student will correctly identify and respond to signs, signals, and pavement markings when confronted with them, in compliance with the Michigan Vehicle Code.**

4.1 The student will demonstrate compliance with the Michigan Vehicle Code when encountering warning or regulatory signs.

4.2 The student will demonstrate compliance with the Michigan Vehicle Code when encountering any of the following traffic signals.

- **a) Emergency vehicle signals**
- **b) Flashing lights**
- **c) Lane control signals**
- **d) Pedestrian signals**
- **e) Solid yellow lines**
- **f) Solid white lines**
- **g) Railroad crossing signals**
- **h) Reflectors on farm vehicles**
- **i) Reflectors indicating disabled vehicle**

4.3 The student will demonstrate compliance with the Michigan Vehicle Code when encountering any pavement markings, including but not limited to the following:

- **a) Crosswalk lines**
- **b) Highway delineators**
- **c) Broken yellow lines**
- **d) Broken white lines**
- **e) Solid yellow lines**
- **f) Solid white lines**
- **h) Turn lanes/lines**

4.4 The student will demonstrate compliance with the Michigan Vehicle Code when encountering a right-of-way situation involving the following combinations:

- **a) Other vehicles (including school buses and emergency vehicles)**
  - **1) At intersections**
    - **a) controlled**
    - **b) uncontrolled**
  - **2) Between intersections (including railroad crossings)**
- **b) Pedestrians (including blind persons)**
  - **1) At intersections**
    - **a) controlled**
    - **b) uncontrolled**

SEGMENT 1

UNIT G **STUDENT DRIVING PERFORMANCE**

EPISODE 4.0 **Signs, Signals, and Markings**

EPISODE OBJECTIVE: **The student will correctly identify and respond to signs, signals, and pavement markings when confronted with them, in compliance with the Michigan Vehicle Code.**

4.5 The student will demonstrate the proper procedure for entering a limited access highway.

- **a) Enters acceleration lane for merging**
- **b) Uses proper signal**
- **c) Checks traffic thoroughly**
- **d) Checks blind spot**
- **e) Adjusts speed to blend with other traffic flow**
- **f) Merges into nearest lane**
- **g) Adjusts position and speed to meet traffic requirements**
- **h) Checks to see that signal is canceled**

NOTE: Be familiar and responsive to peculiarities in metropolitan areas.

4.6 The student will demonstrate the proper procedure for exiting from limited access highway.

- **a) Positions car appropriately**
- **b) Uses correct signal**
- **c) Checks traffic thoroughly**
- **d) Checks blind spot**
- **e) Enters deceleration lane**
- **f) Adjusts to posted exit speed**

SEGMENT 1

UNIT G	**STUDENT DRIVING PERFORMANCE**
EPISODE 5.0	**Driving Environments**
EPISODE OBJECTIVE:	**The student will correctly perform basic and intermediate control tasks under actual traffic conditions in various driving environments (i.e., Residential, Business, Country, Highway, and Limited Access Highways).**

5.1 The student will demonstrate search procedures by systematically using IPDE and Smith Systems to locate possible sources of traffic information essential for making low risk decisions.

5.2 The student will demonstrate a safe selection of speed to maintain optimal friction between tires and roadway.

5.3 The student will demonstrate speed control of the vehicle by using the accelerator or brake to perform the required driving task to safely:

- **a) Isolate**
- **b) Stabilize**
- **c) Compromise**
- **d) Separate risks, and**
- **e) Avoid collision traps**

5.4 The student will demonstrate directional control of the vehicle by the coordination of steering and turning maneuvers with speed and timing adjustments to achieve the driving task requirements.

5.5 The student will demonstrate defensive driving (minimizing risks) by doing any or all of the following:

- **a) Maintains a space cushion around vehicle at all times**
- **b) Safe turning by visual checks well in advance for other traffic which may create a problem during the turn**
- **c) Checks mirrors to be sure other drivers are responding to your signals**
- **d) Checks rearview mirrors immediately when anticipating problems ahead**
- **e) Is aware of problem drivers and anticipates their next move**
- **f) Makes visual checks (left and right) at ALL intersections**
- **g) Expects the unexpected, and**
- **h) Gives full attention to driving by avoiding distractions**